

Appl. No. 10/618,308
Amdt. dated 2 October 2004
Reply to Office Action of 07 June 2004

Amendments to the Claims

Please amend claims 1, 4-9, and 14-20 as indicated below: Claims 2, 3 and 10-13 have been canceled.

Claim 1. (currently amended) A water supply system for multiple dwelling units comprising
a cold water source that includes a main water meter and a cold water header from said
main water meter for feeding said multiple dwelling units,
a water heater receiving cold water from said main water meter and a hot water header
from said water heater for feeding said multiple dwelling units,
a hot water supply conduit connected to said hot water header for each dwelling unit, and
a cold water supply conduit connected to said cold water header for each dwelling unit, each said
supply conduit having an ancillary water meter for measuring water flow therethrough; and
said ancillary water meters for each dwelling unit, one for hot water and one for cold
water, ~~are built together as a unitary assembly~~ have means for measuring flow characteristics and
providing electronic readouts of said characteristics suitable for computer processing.

Claims 2 and 3. (previously canceled)

Claim 4. (currently amended) The water supply system of claim 1 wherein the respective hot
water and cold water meters for each dwelling unit are built together as a unitary assembly and
located ~~each said pair of water meters is located~~ proximate the main source of the hot and cold
water supply to the associated dwelling unit.

Claim 5. (currently amended) The water supply system of claim 1 wherein each said ancillary
water meter includes means for measuring flow characteristics includes measuring of volume,
flow rates, surges, total consumption over time, and intermittent flow ~~includes measurement
means for determining flow characteristics~~ of the water consumed by the associated individual
unit.

Claim 6. (currently amended) The water supply system of claim 5 wherein said ~~measurement means~~ electronic readouts of said flow characteristics are selected for computer processing to determine water delivery problems including water line leakage, dripping faucets, running toilets, and the like. ~~is a visual readout including a viewing window for displaying the water volume flowing therethrough.~~

Claim 7. (currently amended) The water supply system of claim 5 wherein said ~~measurement means~~ includes electronic readouts ~~are~~ linked to a computer, said computer for providing computations and tabulations of said ~~relative to~~ water flow characteristics.

Claim 8. (currently amended) The water supply system of claim 7 wherein said computations and tabulations provide water ~~include useful~~ delivery data including such as volume, leakage, ~~surges~~ pressure, surges, and periodic comparisons of selected data ~~use comparisons.~~

Claim 9. (currently amended) The water supply system of claim 8 ~~claim 1,~~ wherein the grouped pairs of ancillary water meters are located proximate the associated individual unit for external access and monitoring. ~~said water heater.~~

Claims 10 - 13. (previously cancelled)

Claim 14. (currently amended) A water supply system for multiple dwelling units comprising:

- a cold water source that includes a main water meter;
- a cold water header from said main water meter providing a common supply to each for ~~feeding~~ said multiple dwelling units;
- a water heater receiving cold water from said main water meter;
- a hot water header from said water heater providing a common supply to each for feeding ~~said multiple dwelling units;~~
- a cold water supply conduit for each dwelling unit connected to said cold water header;
- a hot water supply conduit for each dwelling unit connected to said hot water header;
- each said cold water conduit and said hot water conduit having an in-line water meter for measuring water flow characteristics therethrough and providing electronic readouts of said characteristics; and

said in-line water meters for each dwelling unit, grouped as a pair consisting of one for hot water and one for cold water, are combined together as a unitary assembly.

Claim 15. (currently amended) The water supply system of claim 14 wherein each said in-line water meter includes means for measuring flow characteristics includes measuring of volume, flow rates, surges, total consumption over time, and intermittent flow. ~~said cold water header is a common feeder for each of the cold water conduits and said hot water header is a common feeder for each of the hot water conduits.~~

Claim 16. (currently amended) The water supply system of claim 14 wherein each said in-line water meter ~~includes measurement means for providing~~ flow characteristics of water consumed by the associated individual unit are selected for computer processing to determine water delivery problems including water line leakage, dripping faucets, running toilets, and the like.

Claim 17. (currently amended) The water supply system of claim 16 wherein said unitary assembly is located proximate the main source of the hot and cold water supply to the associated dwelling unit. ~~measurement means is a visual readout including a viewing window for displaying flow characteristics of water flowing therethrough.~~

Claim 18. (currently amended) The water supply system of claim 16 wherein said ~~measurement means includes~~ electronic readouts are linked to a computer, said computer for providing computations and tabulations of said ~~relative to~~ hot and cold water flow characteristics of each unit.

Claim 19. (previously presented) The water supply system of claim 18 wherein said computations and tabulations provide continuous water delivery data such as volume, volume changes, leakage and leakage levels, and surges, as well as providing periodic use comparisons of said water delivery data.

Claim 20. (currently amended) The water supply system of claim 19 wherein said water delivery data is processed in said computer to monitor, store and provide a continuing record of the ~~of,~~ water flow characteristics of each dwelling unit.